

## CLAIMS

What is claimed is:

- 1 1. A conditional access (CA) system comprising:
  - 2 a computing resource configured to run a CA protocol;
  - 3 a smart card interface; and
  - 4 a software wrapper configured to couple the smart card interface to the CA
  - 5 protocol.
- 1 2. The CA system of claim 1, wherein the smart card interface complies substantially  
2 with International Organization for Standardization standard 7816 (ISO 7816).
- 1 3. The CA system of claim 1, wherein the CA protocol is selected from the group  
2 consisting of National Renewable Security Standard Part B (NRSS-B), OpenCable™  
3 Host Point Of Deployment Interface Specification (POD), Common Interface  
4 Specification for Conditional Access and other Digital Video Broadcasting Decoder  
5 Applications (CI), and Conditional Access System for Terrestrial Broadcast (ATSC-  
6 A70).
- 1 4. The CA system of claim 1, wherein the software wrapper is configured to run on the  
2 computing resource.
- 1 5. A smart card interface comprising:

2 a smart card receptacle for coupling to a smart card to communicate smart card  
3 signals;  
4 a Personal Computer Memory Card International Association (PCMCIA)  
5 Application Programming Interface (API); and  
6 wrapper software interfacing the smart card signals and the PCMCIA API.

1 6. The smart card interface of claim 5, where the PCMCIA API is a CA API.

1 7. The smart card interface of claim 6, where the smart card signals are received from  
2 an ISO 7816 smart card.

1 8. A conditional access (CA) system comprising:

2 means for executing a CA program;  
3 means for coupling to a smart card interface; and  
4 means for executing interfacing software.

1 9. The system of claim 8 wherein interfacing software comprises:

2 means for coupling to smart card signals;  
3 means for coupling to the CA program API; and  
4 means for routing the smart card signals to and from the CA program.

1 10. A conditional access (CA) method comprising:

2 routing signals received from a smart card interface to interface software;  
3 coupling an output of the interface software to an API of a CA protocol;



10 presenting the transformed received signals and data from the conditional access  
11 system to the smart card interface.

1 14. The method of claim 13 wherein the smart card interface is an ISO 7816 smart card  
2 interface.

1 15. The method of claim 13 wherein the conditional access protocol is a standard  
2 conditional access protocol.

1 16. The method of claim 15 wherein the standard conditional access protocol is  
2 selected from the group consisting of National Renewable Security Standard Part B  
3 (NRSS-B), OpenCable™ Host Point Of Deployment Interface Specification (POD),  
4 Common Interface Specification for Conditional Access and other Digital Video  
5 Broadcasting Decoder Applications (CI), and Conditional Access System for Terrestrial  
6 Broadcast (ATSC-A70).

1 17. A conditional access (CA) system comprising:  
2 a first computing resource configured to execute a NRSS-B protocol;  
3 an ISO 7816 smart card interface; and  
4 a software wrapper configured to execute on a second computing resource to  
5 couple the ISO 7816 smart card interface to the NRSS-B protocol.

1 18. The system of claim 17 wherein the first computing resource and the second  
2 computing resource are a same computing resource.



